

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (New) Cold-rolled fixing screw consisting of a low-alloy carbon steel with a high degree of deformation according to the ratios of external diameter to core diameter of >1.2 and pitch to external diameter of >0.23, with a self-tapping thread for screwing into materials, in particular plastics, consisting of a screw material with a residual stress that is impressed and maintained by the cold rolling process, **characterized** by a screw of steel of ferritic structure and additional constituents with a substantially higher carbon content than the carbon that is contained in the ferrite, said mixed structure having a maximum carbon content of 0.42 weight percent and a maximum grain size that corresponds to at least 2000 grains/mm², preferably at least 3000 grains/mm², the additional constituents being, either singly or in combination, proportions of spherically formed cementite or martensite.
12. (New) Fixing screw according to claim 1, characterized in that manganese is added in 0.60-2.0 weight percent to the screw material.
13. (New) Fixing screw according to claim 1, characterized in that silicon is added in max. 1.2 weight percent to the screw material.
14. (New) Fixing screw according to claim 1, characterized in that chromium is added in max. 2 weight percent to the screw material.
15. (New) Fixing screw according to claim 1, characterized in that molybdenum is added in max. 1 weight percent to the screw material.

16. (New) Fixing screw according to claim 1, characterized in that vanadium is added in max. 0.5 weight percent to the screw material.
17. (New) Fixing screw according to claim 1, characterized in that boron is added in max. 0.008 weight percent to the screw material.
18. (New) Fixing screw according to claim 1, characterized in that niobium is added in max. 0.15 weight percent to the screw material.
19. (New) Fixing screw according to claim 1, characterized in that titanium is added in max. 0.3 weight percent to the screw material.
20. (New) Fixing screw according to claim 2, characterized in that silicon is added in max. 1.2 weight percent to the screw material.
21. (New) Fixing screw according to claim 2, characterized in that chromium is added in max. 2 weight percent to the screw material.
22. (New) Fixing screw according to claim 3, characterized in that chromium is added in max. 2 weight percent to the screw material.

23. (New) Fixing screw according to claim 2, characterized in that molybdenum is added in max. 1 weight percent to the screw material.
24. (New) Fixing screw according to claim 3, characterized in that molybdenum is added in max. 1 weight percent to the screw material.
25. (New) Fixing screw according to claim 4, characterized in that molybdenum is added in max. 1 weight percent to the screw material.
26. (New) Fixing screw according to claim 2, characterized in that vanadium is added in max. 0.5 weight percent to the screw material.
27. (New) Fixing screw according to claim 3, characterized in that vanadium is added in max. 0.5 weight percent to the screw material.
28. (New) Fixing screw according to claim 4, characterized in that vanadium is added in max. 0.5 weight percent to the screw material.
29. (New) Fixing screw according to claim 5, characterized in that vanadium is added in max. 0.5 weight percent to the screw material.

30. (New) Fixing screw according to claim 2, characterized in that boron is added in max. 0.008 weight percent to the screw material.